



Linda S. Adams
Secretary for
Environmental Protection

Air Resources Board

Mary D. Nichols, Chairman
1001 I Street • P.O. Box 2815
Sacramento, California 95812 • www.arb.ca.gov



Arnold Schwarzenegger
Governor

November 7, 2007

To: Interested Community Members and Stakeholders:

I would like to invite you to participate in the fourth public meeting to discuss potential future emission control measures to reduce railroad emissions. These semi-annual meetings are being convened by the California Air Resources Board (ARB), BNSF Railway (BNSF), and Union Pacific Railroad (UPRR) as part of the Statewide Rail Yard Agreement (Agreement). The meeting will be held at the following time and place:

PLACE: ARB El Monte Auditorium
Annex 4
9530 Telstar Avenue
El Monte, California 91731
DATE: Wednesday – November 28, 2007
TIME: 10:00 am – 4:00 pm

Please contact ARB's Disability Coordinator at (916) 323-4916 by voice or through the California Relay Services at 711, to place your request for disability services. If you are a person with limited English and would like to request interpreter services, please contact ARB's Bilingual Manager at (916) 323-7053.

This public meeting will be webcast. You may access the webcast at ARB's homepage: <http://www.calepa.ca.gov/broadcast/?BDO=1>. In addition, this public meeting will have teleconference capabilities. To participate by teleconference, dial: 888-396-9185 (Toll Free) and give the participant code: 22181 and leader name: Harold Holmes. For international calls dial +1-210-234-0004: the participant code and leader name are listed above. We will also accept comments and questions sent via email to onair@arb.ca.gov.

More detailed information on these semi-annual public meetings can be found at ARB website: <http://www.arb.ca.gov/railyard/railyard.htm>.

Under the Agreement, ARB and railroads will hold these technical evaluation meetings at least every six months and will prepare a written progress report on these meetings annually. The progress report for 2006 can be found at the following web page link: http://www.arb.ca.gov/railyard/ryagreement/102006rpt_rrtech.pdf. These meetings provide an opportunity for the public to help identify and discuss future railroad emission control measures that can be implemented in the near-term, mid-term, and long-term.

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our website: <http://www.arb.ca.gov>.

California Environmental Protection Agency

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These meetings also provide the opportunity for the public to hear about the latest information on railroad emission control technologies and to explore additional ways to reduce railroad emissions. We are encouraging the broadest possible range of public participation to provide the greatest opportunities for exchanging ideas on innovative technologies and strategies to reduce railroad emissions. Please see the attached agenda for this meeting.

Please note that time is allocated at the end of the meeting to discuss topics for presentations at future meetings. Individuals are encouraged to offer suggestions for topics at future meetings.

This meeting will focus on discussions of aftertreatment technologies that can be retrofitted to existing locomotives and some discussion of other locomotive technologies in development.

If you have questions about the upcoming public meeting, please feel free to contact Mr. Harold Holmes, Manager, Engineering Evaluation Section, at (916) 324-8029.

Sincerely,

A handwritten signature in cursive script, appearing to read "Robert D. Fletcher".

Robert D. Fletcher, Chief
Stationary Source Division

Enclosure

cc: Harold Holmes, Manager
Engineering Evaluation Section

*Statewide Railyard Agreement
Technology Symposium*

AGENDA

Public Meeting to Discuss
Locomotive Exhaust Aftertreatment Retrofit Technology
and
Other Technologies in Development

Location:

ARB Auditorium

Annex 4

9530 Telstar Avenue

El Monte, California 91731

Date: Wednesday – November 28, 2007

Time: 10:00 am – 4:00 pm

Teleconference:

Dial-In # (Toll Free): 888-396-9185

Dial-In # for International Calls: 1-210-234-0004

Participant Code: 22181

Leader Name: Harold Holmes

Webcast: <http://www.calepa.ca.gov/broadcast/?BDO=1>

10:00 am Introductions and Background

Dean Simeroth Chief, Criteria Pollutants Branch
California Air Resources Board

Opening Perspectives

10:10 am ARB Perspective – The need for retrofit technology

Harold Holmes Manager, Engineering Evaluation Section
California Air Resources Board

10:20 am Railroad Perspective – From idea to market: successes and limitations of new technologies

Mark Stehly Assistant Vice President
Environmental and Research & Development
BNSF Railway

Mike Iden General Director Car and Locomotive Engineering
Union Pacific Railroad

Updates on Locomotive Exhaust Aftertreatment Retrofit Technology

Freight Applications -

- 10:40 am • Diesel Oxidation Catalyst (DOC) – UP 2368**
• Diesel Particulate Filter (DPF) – BNSF 3703 & UPY 1378
• ARB Locomotive Project – Selective Catalytic Reduction (SCR) efforts with EMD 710 Engine

Steve Fritz Manager, Medium Speed Diesel Engines
Department of Engine and Emissions Research
Southwest Research Institute (SwRI)

*Statewide Railyard Agreement
Technology Symposium*

11:40 – 1:30 pm Lunch Break

Passenger Applications -

1:30 pm SCAQMD Locomotive Projects:

- **SCR On Passenger Locomotive**
- **Diesel Particulate Filter (DPF) on Pacific Harbor Line (PHL) switch locomotive**
- **DPF + SCR on head end power**

Michael Bogdanoff Program Supervisor, Mobile Source Projects
South Coast Air Quality Management District

1:40 pm DOC for passenger locomotives

Karen Dzienkowski Manager, Emissions Policy and Funding
MotivePower

Other Technologies in Development

2:00 pm BNSF fuel cell hybrid switcher

Arnold Miller President, Vehicle Projects LLC

2:20 pm GE Hybrid Locomotive

Pete Lawson Product Line Manager
General Electric Company

2:40 pm Q and A on Report: "Evaluation of Natural Gas-fueled Locomotives"

Mike Iden General Director Car and Locomotive Engineering
Union Pacific Railroad

Closing Remarks -

3:00 pm Preliminary Discussion of additional topics for future symposiums

Dean Simeroth Chief, Criteria Pollutants Branch
California Air Resources Board